

I INTERNATIONAL CONFERENCE

AI AND DATA GOVERNANCE IN OUTER SPACE

24-25 MARCH 2025
AUDITORIUM, FACULTY OF LAW
UNIVERSITY OF VALENCIA



DIRECTOR

Javier Plaza Penadés

ACADEMIC SECRETARIAT

Roser Almenar

SCIENTIFIC COMMITTEE

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*European and Digital Private Law Study Group – GEDPED,
Data Dig Market Group*

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*2023 Prometeo Project (CIPROM/2022/67): “Data as a Patrimonial Asset:
Use and Protection in the Digital Single Market” ,
EIK Marketing and Printing Services*

PARTNERS



MONDAY, 24 MARCH

9.00 – 9.30 H. BADGE PICK-UP

Auditorium, Faculty of Law, University of Valencia.

9.30 – 10.00 H. OPENING CEREMONY

Dr. Clara Viana Ballester, *Dean of the Faculty of Law, University of Valencia.*

Mr. Juan José Cortés Vélez, *Director-General for Innovation, Spanish Regional Ministry of Innovation, Industry, Trade and Tourism, Generalitat Valenciana.*

Dr. Raquel Guillén Catalán, *Professor of Civil Law, University of Valencia (Spain), and Lead Researcher of the 2023 Prometeo Project (CIPROM/2022/67): “Data as a Patrimonial Asset: Use and Protection in the Digital Single Market”.*

10.00 – 10.30 H. KEYNOTE LECTURE

Dr. Javier Plaza Penadés, *Chair Professor in Civil Law, University of Valencia (Spain), and Director of the Conference: “The EU AI Act and its application in the space industry”*

10.30 – 11.30 H. ROUNDTABLE. AN INTERNATIONAL PERSPECTIVE ON THE SYNERGY “AI – SPACE LAW”

Dr. Kai-Uwe Schrogl, *President of the International Institute of Space Law (IISL); Special Advisor for Political Affairs in the European Space Agency (ESA).*

Dr. Diane Howard, *Former Director of Commercial Space Policy at the National Space Council (Executive Office of the President, White House, U.S.A); Principal of sur l'espace PLLC; Visiting Professor at UT Austin School of Law (U.S.A.).*

Ms. Tuana Yazici, *Founder, Chair & CEO of Tuana Group, AeroAI Voyages, AeroAI DesignLab, and nonprofit AeroAI Global Solutions (U.S.A.).*

Dr. Dimitra Stefoudi, *Assistant Professor of Space Law, International Institute of Air and Space Law, Leiden University (The Netherlands).*

Chair: Ms. Roser Almenar, PhD Candidate in AI & Space Law, University of Valencia (Spain).

11.30 – 12.00 H. COFFEE BREAK

Faculty of Law, University of Valencia.

12.00 – 13.00 H. PANEL. AI IN OUTER SPACE: LEGAL PERSPECTIVES AND CHALLENGES

Ms. Roser Almenar, *PhD Candidate in AI & Space Law, University of Valencia (Spain):* **“Exploring the Legal Dimensions of Liability for Damages Arising from AI in the Context of Outer Space Operations”**

Mr. Giovanni Tricco, *PhD Candidate in AI & Space Law, University of Bologna (Italy) and Vrije Universiteit Brussel (Belgium):* **“Sustaining space governance in the AI-facilitated commercial era”**

Dr. Anne-Sophie Martin, *Research Fellow, Institute for International Legal Studies of the National Research Council (Italy):* **“AI in military space operations: Legal implications”**

Dr. Ioana Bratu, *Assistant Professor of Space Law, Vrije Universiteit Amsterdam (The Netherlands); Co-Director of the Amsterdam Law & Technology Institute (ALTI); Founder of the AI ∞ Space Law Society: “The Netherlands’ Contributions to Space Security and Sustainability During the Challenging Era of AI Solutionism”*

Chair: Mr. László Mezey, PhD Student in Space Law, Ferenc Deák Faculty of Law, University of Miskolc; Researcher, Central European Academy (Hungary).

13.00 – 13.30 H. DISCUSSION. THE NEW LAWS OF OUTER SPACE: ETHICS, LEGISLATION, AND GOVERNANCE IN THE AGE OF ARTIFICIAL INTELLIGENCE

Dr. Ugo Pagallo, *Full Professor of Jurisprudence, University of Turin (Italy).*

Discussant: Ms. Roser Almenar, PhD Candidate in AI & Space Law, University of Valencia (Spain).

13.30 H. LUNCH

Faculty of Law, University of Valencia.

15.30 – 16.30 H. PANEL. UNLOCKING THE LEGAL VALUE OF SPACE DATA AND AI-BASED SPACE TECHNOLOGIES

Dr. P.J. Blount, *Assistant Professor of Space Law, Durham University (U.K.): “Entangled Data: Space, AI, and the Legal Challenges of Data in Context”*

Dr. Güneş Ünüvar, *Senior Research Fellow, Luxembourg Centre for European Law (LCEL), University of Luxembourg (Luxembourg)*: **“Protecting Space-based Data as ‘Investments’ under International Investment Agreements”**

Mr. László Mezey, *PhD Student in Space Law, Ferenc Deák Faculty of Law, University of Miskolc; Researcher, Central European Academy (Hungary)*: **“The application of Earth observation data as evidence in human rights-related criminal proceedings”**

Ms. Kaja Hopej, *PhD Student in Space Law, Central European Academy, University of Miskolc (Hungary) and Centre for Space Studies, Kozminski University (Poland)*: **“Space Data Management – Legal challenges and perspectives”**

Chair: Dr. David Aviñó Belenguer, Assistant Profesor of Civil Law, University of Valencia (Spain).

16.30 – 18.00 H. CALL FOR PAPERS (I)

Dr. Filippo Marchetti, *Senior Lecturer in Law and Technology, University of Westminster (U.K.)*: **“Obligations to safely return physical and intangible data assets under international space law”**

Mr. Ivan Fino, *PhD Candidate in Space Law & New Technologies Law, Sant’Anna School of Advanced Studies – Laboratorio Interdisciplinare Diritti e Regole (LIDER-Lab) (Italy)*: **“Navigating Liability and Risk Management for AI-Driven Space Objects: Legal, Insurance, and Procurement Frameworks”**

Ms. Giulia Priotti, *PhD Candidate in Space Law & Intellectual Property Law, University of Trento & University of Turin (Italy)*; and **Ms. Weronika Krzyżak**, *LLM Graduate in Intellectual Property and Information Technology Law, Trinity College Dublin (Ireland)*: **“Intellectual Property Protection for Remote Sensing (AI-generated) Data: Challenges, Solutions through Map-Based Analogies, and the overarching Outer Space Treaty’s Sharing Dilemma”**

Mx. Raoul Cardellini Leipertz, *Adv. LLM Graduate in Air and Space Law, Leiden University (The Netherlands)*: **“Cybersecurity for Space Infrastructure: The Mixed Blessings of Artificial Intelligence”**

Ms. Imen Cherif, *Master’s student in Data Science and Network Intelligence, Télécom SudParis – Institut Polytechnique de Paris (France)*: **“Decentralized Decisions, Centralized Consequences: Legal Responsibility in AI-Powered Satellite Swarms”**

Mr. Jonathan Lim, *Project Co-lead, Jus Ad Astra (Australia)*: **“AI, Data Governance, and the Human Right to Privacy in Outer Space”**

Chair: Ms. Roser Almenar, PhD Candidate in AI & Space Law, University of Valencia (Spain).

20.30 H. GALA DINNER (by invitation)

Sea Lounge, El Coso del Mar

TUESDAY, 25 MARCH

9.00 – 10.00 H. ROUNDTABLE. DATOS ESPACIALES: UNA PERSPECTIVA CIENTÍFICO-TÉCNICA

Dr. Santiago Escobar Román, *Director of the INCIBE-UPV Cybersecurity Chair, Polytechnic University of Valencia (Spain).*

Mr. José Manuel Martínez Ibañez, *CTO – ADL AI & Drone Laboratory; President of the Multirotor Subcommittee, Royal Spanish Aeronautical Federation.*

Dr. Andrés Moya Bedón, *CIDEGENT Excellence Contract by the Generalitat Valenciana, Department of Astronomy and Astrophysics, University of Valencia (Spain).*

Mr. Francisco José Belenguer de Lamo, *Payload Engineer, Pluton UPV, Polytechnic University of Valencia (Spain).*

Chair: Dr. Raquel Guillén Catalán, Professor of Civil Law, University of Valencia (Spain).

10.00 – 10.30 H. COFFEE BREAK

Faculty of Law, University of Valencia.

10.30 – 11.30 H. PANEL. IA, DATOS Y RESPONSABILIDAD CIVIL

Dr. Yolanda Bustos Moreno, *Professor of Civil Law (Accr. Chair Professor), University of Alicante (Spain); Vice-President of Air Law, Spanish Association of Air and Space Law (AEDAE):* **“La compleja confluencia de la regulación europea sobre IA y la responsabilidad civil con la normativa sectorial. El caso emblemático del sector aeronáutico”**

Dr. Efrén Díaz Díaz, *Head of the Space Division of Mas y Calvet Law Firm (Spain); Secretary-General of the Spanish Association of Air and Space Law (AEDAE):* **“Protección de datos geospaciales en el nuevo marco europeo de la Inteligencia Artificial”**

Dr. Francisca Ramón Fernández, *Chair Professor in Civil Law, Polytechnic University of Valencia (Spain):* **“Objetos espaciales, datos y responsabilidad: una reflexión tras el Reglamento (UE) 2024/1689 y la Directiva (UE) 2024/2853”**

Dr. Gonzalo Muñoz Rodrigo, *Assistant Profesor of Civil Law, University of Valencia (Spain):* **“La problemática de la “basura espacial”: Análisis de la responsabilidad civil en el contexto internacional”**

Chair: Dr. Rafael Bellido Penadés, Chair Professor in Procedural Law, University of Valencia (Spain).

11.30 – 12.30 H. PANEL. DERECHOS DE PROPIEDAD Y DATOS ESPACIALES: ¿QUÉ HAY EN JUEGO?

Ms. Carolina Eugenia Catani, *Technical-Legal Officer in Space Law of the Argentinean Space Agency (CONAE); Director of the Space Affairs Committee of the Argentinean Council for International Relations (CARI) (Argentina):* **“Datos espaciales en procesos judiciales: ¿Qué hay detrás?”**

Dr. David Aviñó Belenguer, *Assistant Profesor of Civil Law, University of Valencia (Spain):* **“Explotación del espacio ultraterrestre y principio de no apropiación de los cuerpos celestes: desafíos normativos y oportunidades de desarrollo”**

Mr. Leonardo Alberto López Marcos, *Lawyer and Economist; Spokesperson for the Spanish Association of Air and Space Law (AEDAE); PhD Candidate in Space Law,*

Complutense University of Madrid (Spain): **“Desafíos Jurídicos de las Actividades Lunares: Apropiación y Zonas de Seguridad”**

Dr. Pablo Muruaga Herrero, *Researcher in Civil Law, University of Valencia (Spain):* **“Los datos como sustrato de la propiedad intelectual y su protección jurídica en el espacio”**

Chair: Dr. Gonzalo Muñoz Rodrigo, Assistant Profesor of Civil Law, University of Valencia (Spain).

12.30 – 13.30 H. MESA DE COMUNICACIONES (II)

Dr. Pablo Ruiz Osuna, *Postdoctoral Research Fellow in Civil Law, Rovira i Virgili University (Spain):* **“¿Hacia una personalidad jurídica de los autómatas inteligentes? Aspectos personales y patrimoniales de la IA ante el desafío de la exploración espacial”**

Mr. Christian Domínguez Expósito, *PhD Candidate in Space Law, University of Sevilla (Spain):* **“La protección de la infraestructura espacial ante ciberataques como cuestión de seguridad internacional”**

Ms. M^a Dolores de Cárdenas Pérez, *Lawyer; Associate Professor of Civil Law, University of Alicante (Spain):* **“El seguro de riesgos extraordinarios ante los daños causados por la caída de cuerpos siderales y aerolitos”**

Mr. Sergio Hernández Morante, *Research Fellow in the Project ‘Intellectual Property, Data and Artificial Intelligence in Digital Environments: Proposals for Reform,’ Department of Private Law, University of Burgos (Spain):* **“Responsabilidad civil por daños causados por la IA en el espacio ultraterrestre: Los retos de la autonomía y la falta de previsibilidad de la IA”**

Chair: Ms. María del Pilar Taberner Arroyo, Collaboration Fellow, Department of Civil Law, University of Valencia (Spain).

13.30 – 14.00 H. CLOSING CEREMONY

Dr. Javier Plaza Penadés, *Chair Professor in Civil Law, University of Valencia (Spain), and Director of the Conference.*

14.00 H. FAREWELL LUNCH

Faculty of Law, University of Valencia.



